

Application No. 09/851,922

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

1. (Canceled)

2. (Previously Presented) A magnet type stepping motor comprising:

(1) a stator having three-phase stator windings, and $6m$ pieces of stator main pole arranged side by side, where m is an integer and ≥ 1 , the stator windings of one phase being wound around a first stator main pole and every third stator main pole among the $6m$ pieces of the stator main pole, wherein when the stator windings of one phase are excited with a direct current, m pieces of N pole and m pieces of S pole are formed alternately on those $6m$ pieces of stator main pole that correspond to the excited stator windings, and

(2) a rotor of a cylindrical permanent magnet magnetized in the circumferential direction so as to form $Z/2$ pieces of N pole and $Z/2$ pieces of S pole alternately, where Z is the number of rotor poles, and wherein the number of rotor poles is set to $m \cdot (12n \pm 2)$, where n is an integer and ≥ 1 .

3. (Previously Presented) A magnet type stepping motor comprising:

(1) a stator having three-phase stator windings, and $6m$ pieces of stator main pole arranged side by side, where m is an integer and ≥ 1 , the stator windings of one phase being wound around a first stator main pole and every third stator main pole among the $6m$ pieces of the stator main pole, wherein when the stator windings of one phase are excited with a direct

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current, m pieces of N pole and m pieces of S pole are formed alternately on those 6m pieces of stator main pole that correspond to the excited stator windings, and

(2) a rotor of a cylindrical permanent magnet magnetized in the circumferential direction so as to form Z/2 pieces of N pole and Z/2 pieces of S pole alternately, where Z is the number of rotor poles, and wherein the number of rotor poles is set to m ($12n \pm 2$), and a plurality of pole teeth are formed on each of the stator main poles, where n is an integer and ≥ 2 .

4-19. (Canceled).

20-29. (Canceled)